

Solid Waste Management in Kansas

“A Focus on Waste Reduction Activities”

by
Bill Bider
Director
Bureau of Waste Management

Get Caught  **!**



“Building Leadership for Tomorrow”

What is a leader?

“One who influences the actions or behaviors of others”

You can all be waste reduction leaders by:

- Encouraging others to adopt good waste reduction and conservation measures
- Serving as role models
- Working with others to cooperatively find solutions to waste management challenges

Join the Kansas Waste Management Leader's Team!

- Fill out bio form in your packet
- Bring it by KDHE's booth
- Have your picture taken
- Get featured in the 2007 Kansas Waste Management Leaders Yearbook

2006 works!
CONFERENCE ON RECYCLING, COMPOSTING, AND HAZARDOUS WASTE

Kansas Recycling, Composting, and Household Hazardous Waste Leaders Yearbook

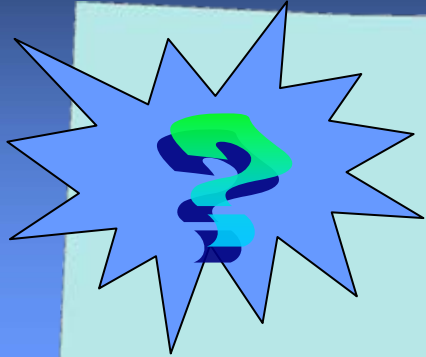
Information to be published in the WORKS! 2007 Conference Program

Fill out the information below and bring this form to the KDHE booth and get your picture taken

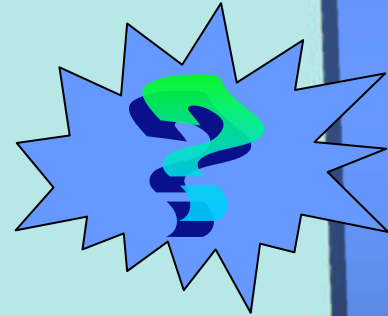
Name _____
Organization _____
Job Title _____
Address _____
Responsibilities _____

Years of Service _____
Phone No. _____
Email Address _____
City _____ Zip _____

You can turn info and pictures in later



**Are we continuing
to make
improvements in
waste
management?**





YES!

Better Landfill Operations



Expanded Recycling Services



More Waste Diversion

Increase in Community Composting Programs



More Yard Waste Composted

Increased Ag Composting



Manure and Animals

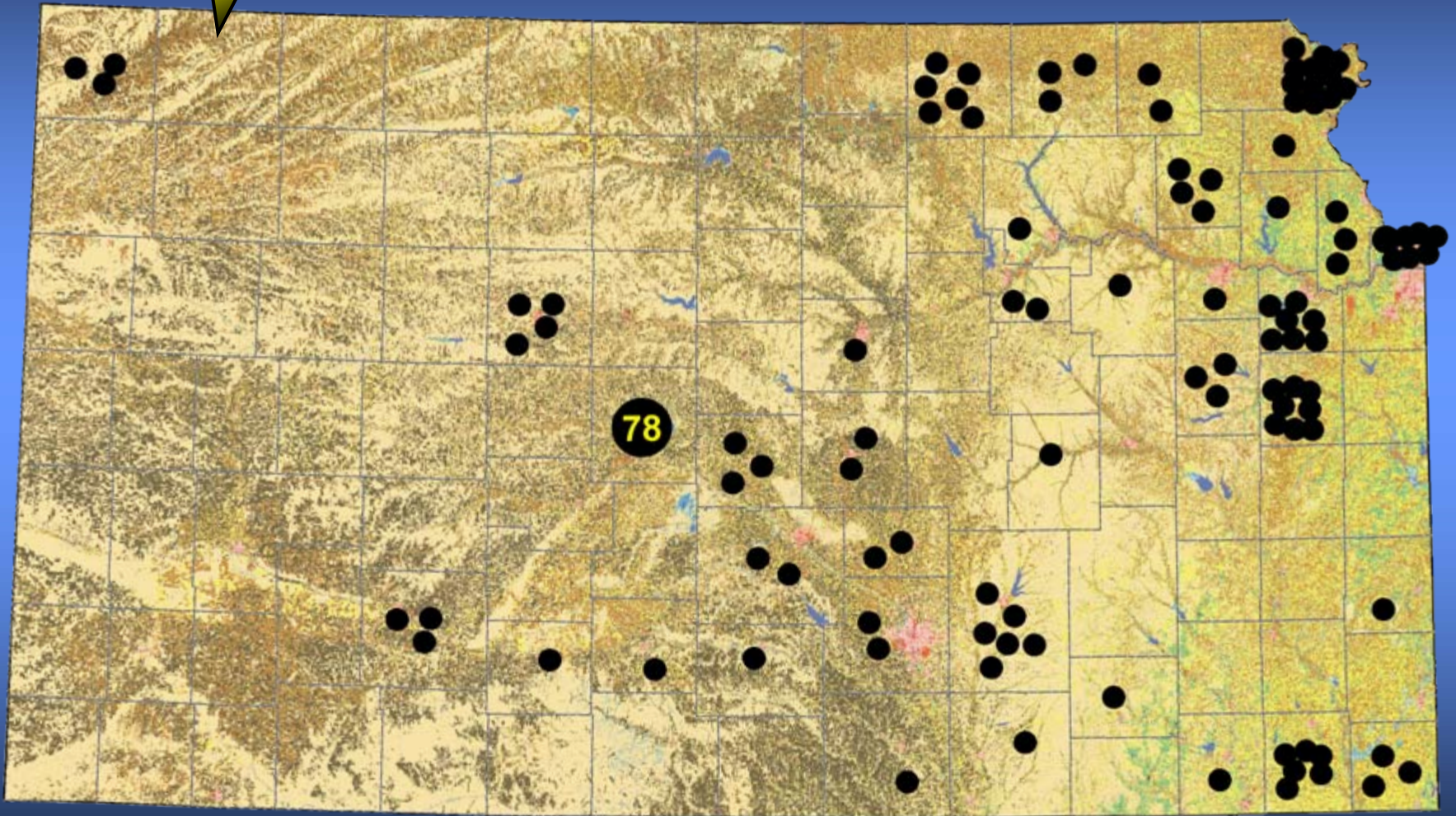
HHW Collection Continues to Grow



More Programs, More Participants



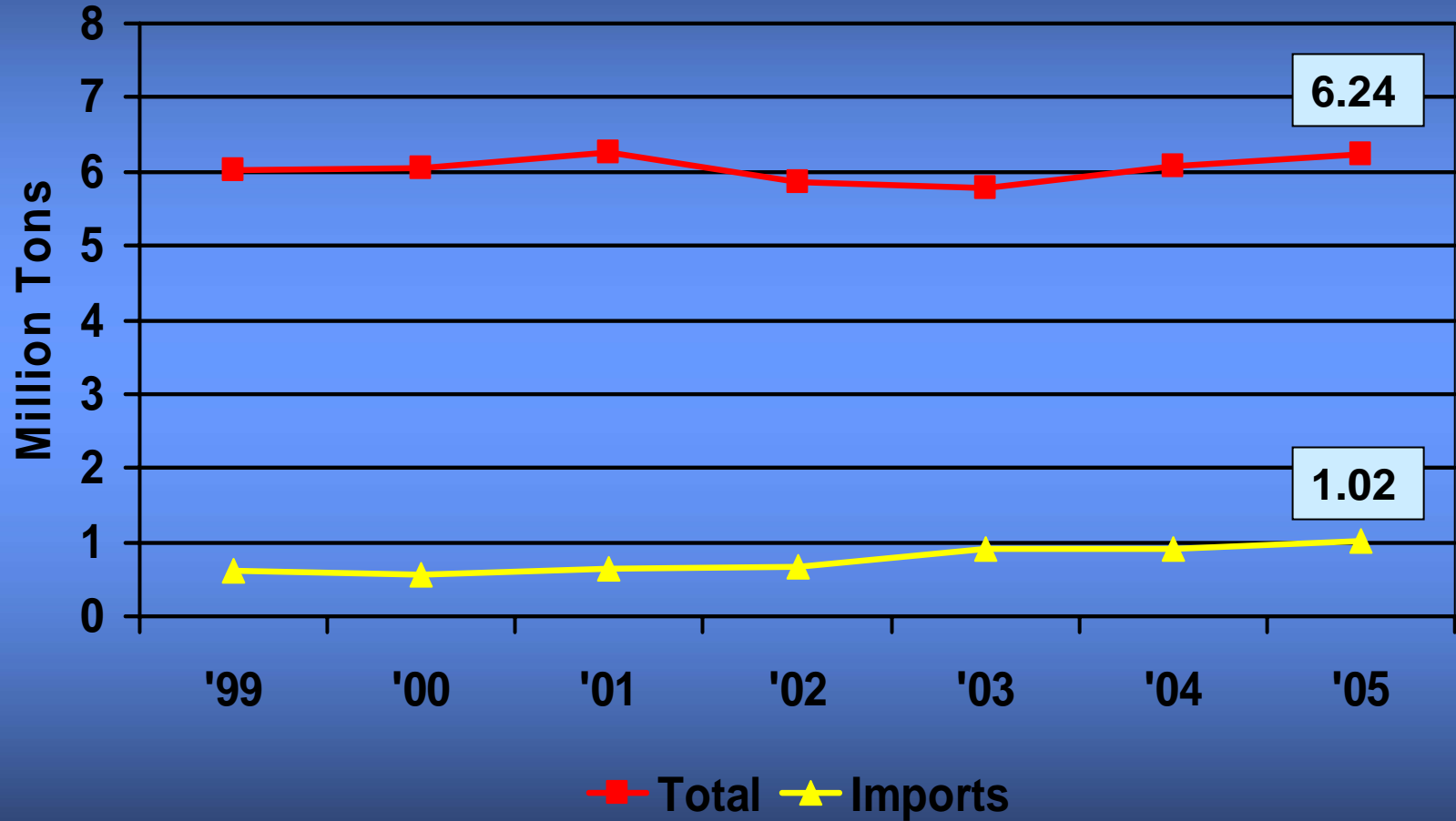
Illegal Dumps Cleaned Up



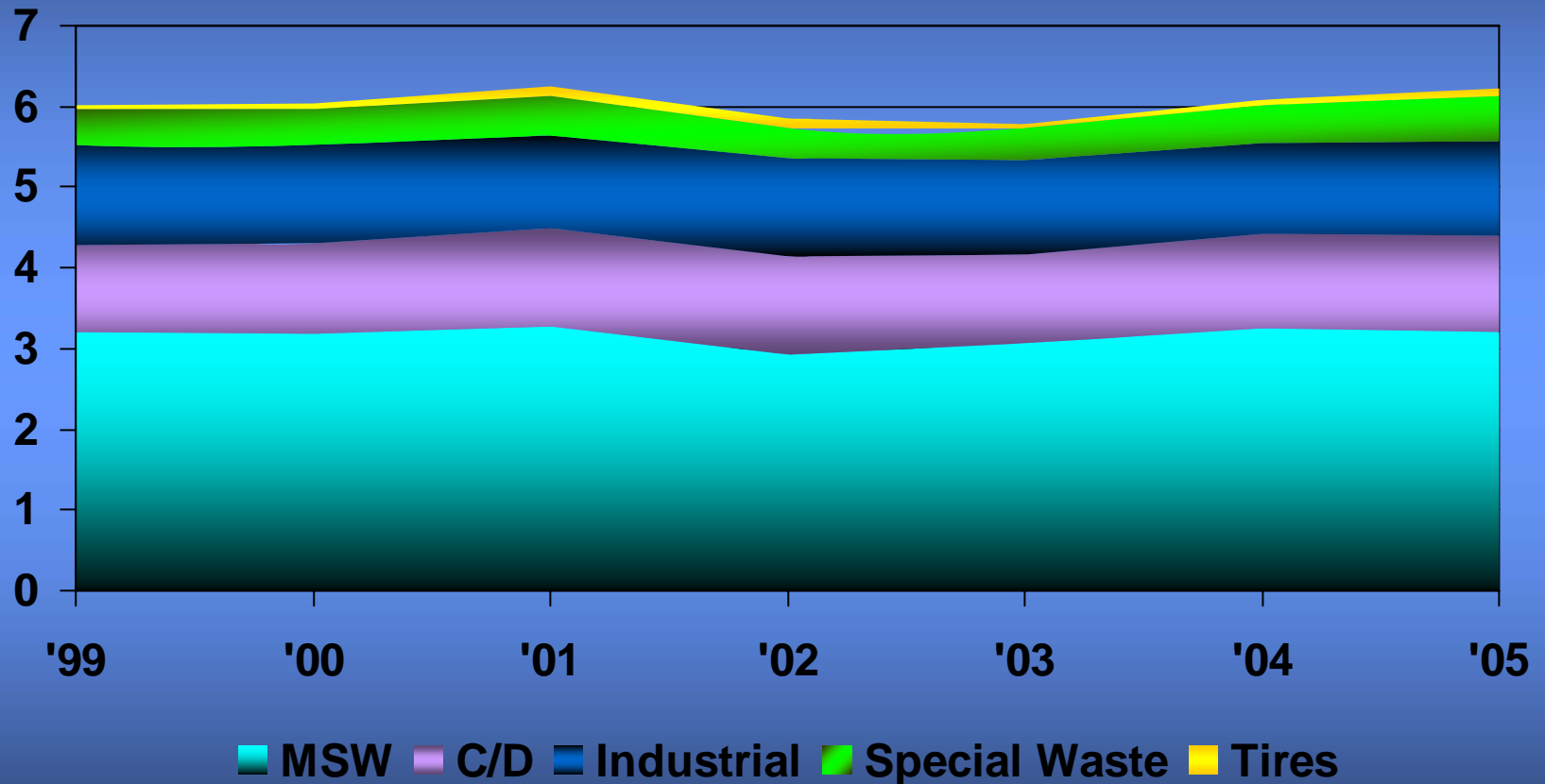
More Tire Recycling



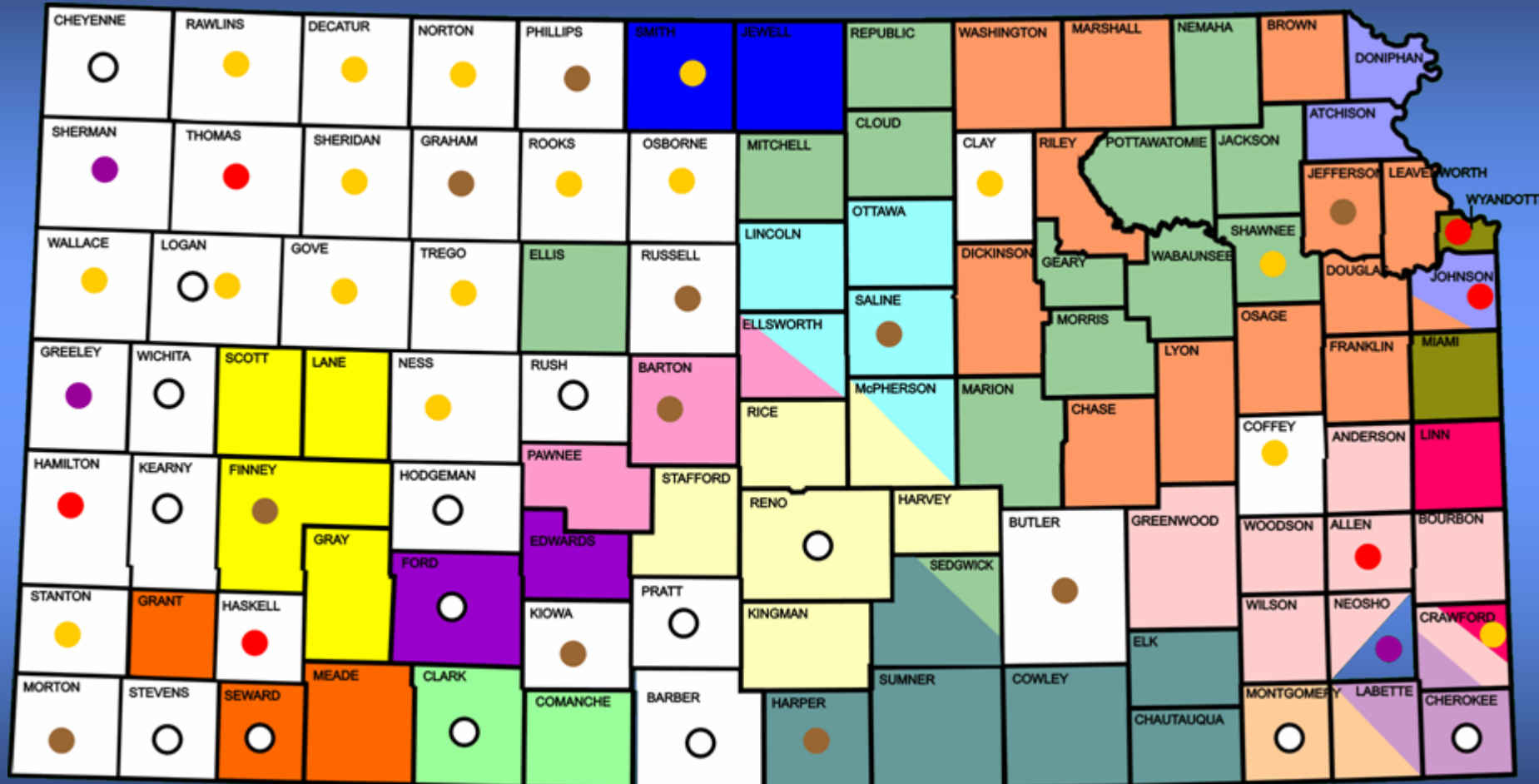
Waste Disposal in Kansas



Waste Disposal by Waste Type



MSW Flow and Landfill Capacities



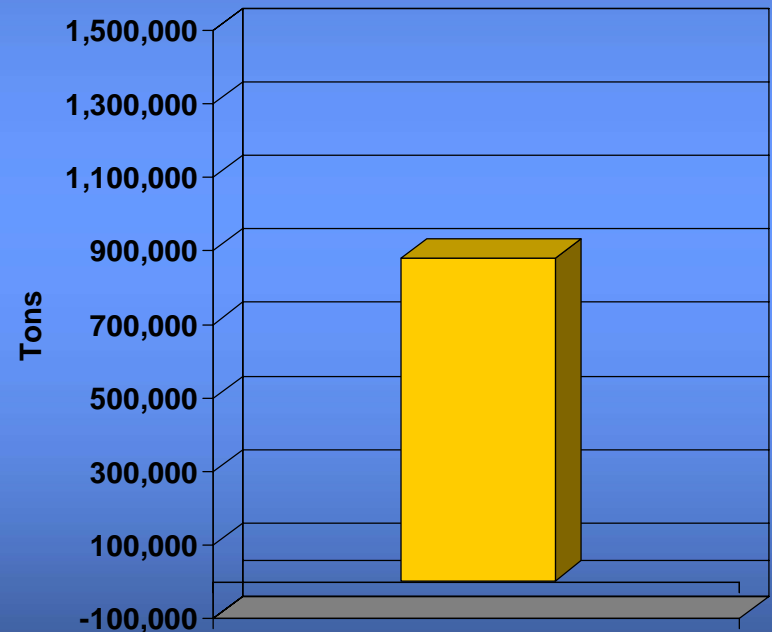
- < 5 years remaining life
- 5 - 25 years remaining life
- 26 - 50 years remaining life

- 51 - 100 years remaining life
- > 100 years remaining life

MSW Recycled and Composted

Reported in Voluntary Survey
about 875,913 tons

- Major increase from 2004 . . .
- Only 50-60% reported
- Unsure coverage of statewide activity



What was Reported as Recycled out of MSW Stream?

	<u>Tons</u>
Mixed Paper	302,590
Compost	180,768
Ferrous Metal (appliances mainly)	158,119
Corrugated	43,822
Wood	39,894
Steel Cans	39,271
Misc. Non Ferrous Metal	32,505
Newspaper	21,460
Other	<u>57,484</u>
Total	875,913

MSW Diversion in Kansas

2004 Recycling Rate from State SW Plan
20–23%

2005 Calculation

	<u>Tons</u>
Ks MSW Disposal	2,639,000
Plus MSW Exported	<u>446,000</u>
Subtotal – MSW Disposed	3,085,000
Plus MSW Recycled	<u>876,000</u>
Total KS MSW	3,961,000

2005 Recycling Rate 22+ %

Estimated Annual Cost of MSW Disposal

Value of Recyclables Disposed \$146,500,000

- 61% of MSW**
- 1.9 million tons**

**Disposal Cost for Landfill
Recyclables (@ \$30/ton)**

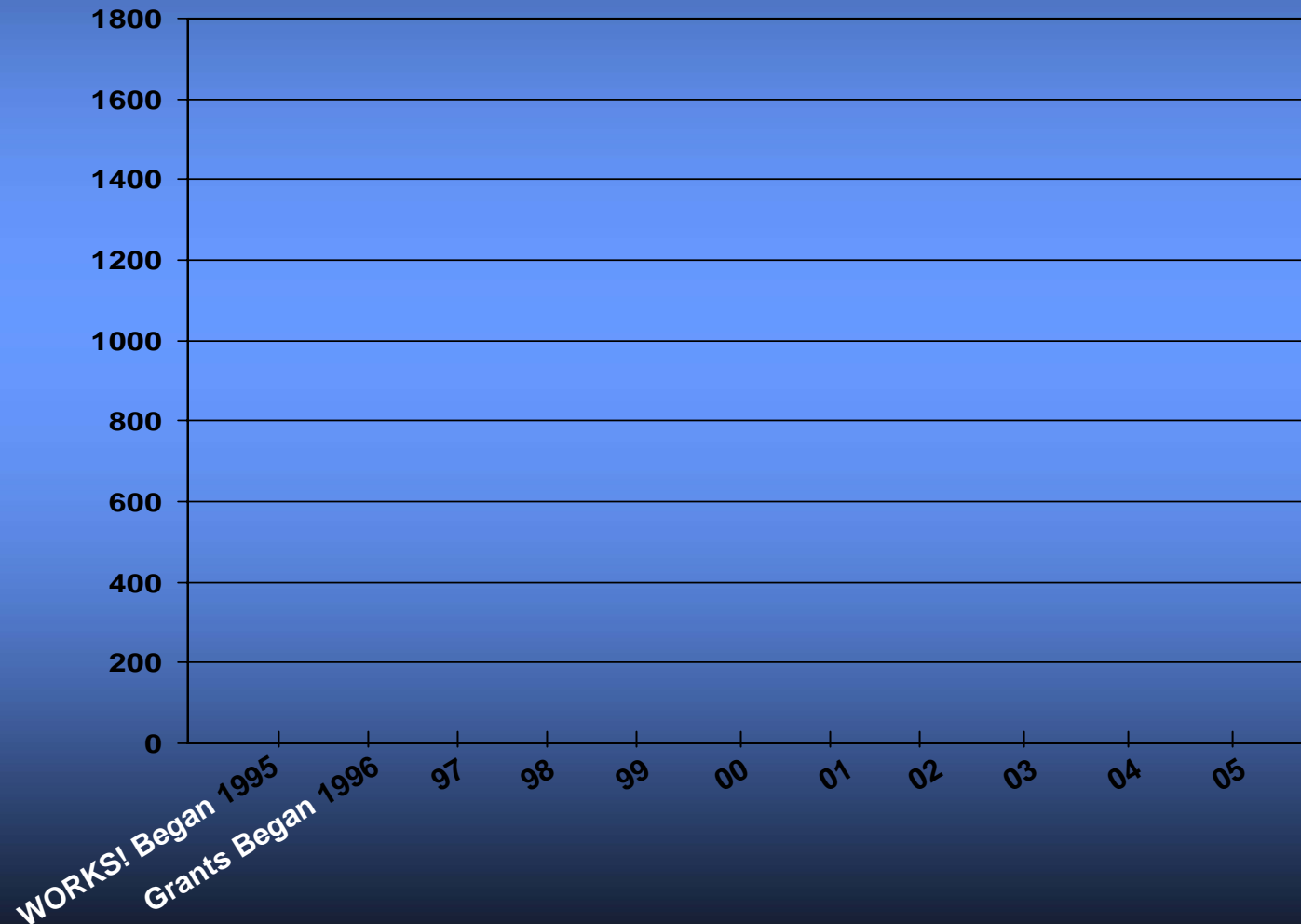
\$56,600,000

Total

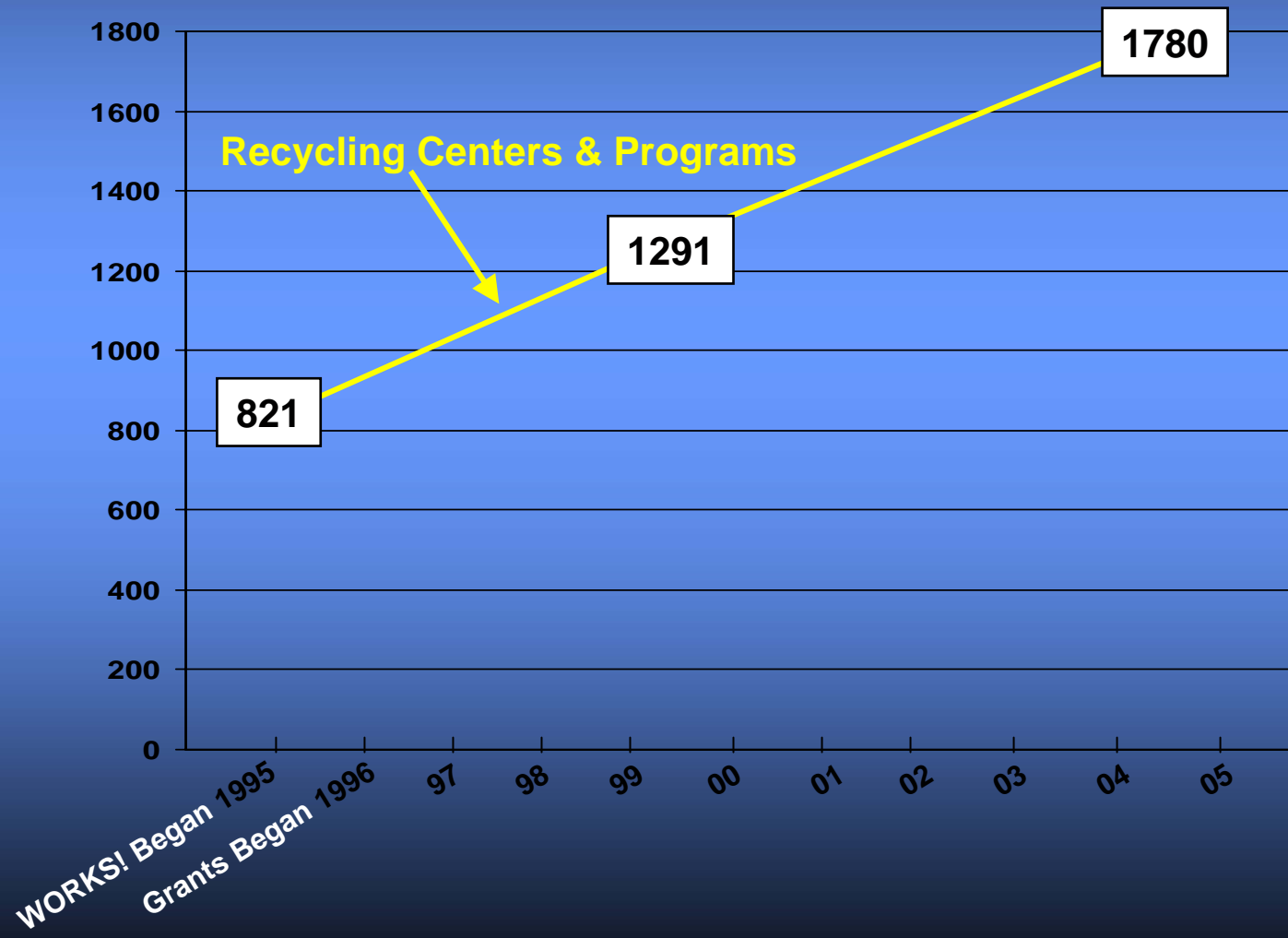
\$203,100,000

**What could be accomplished each
year with these funds?**

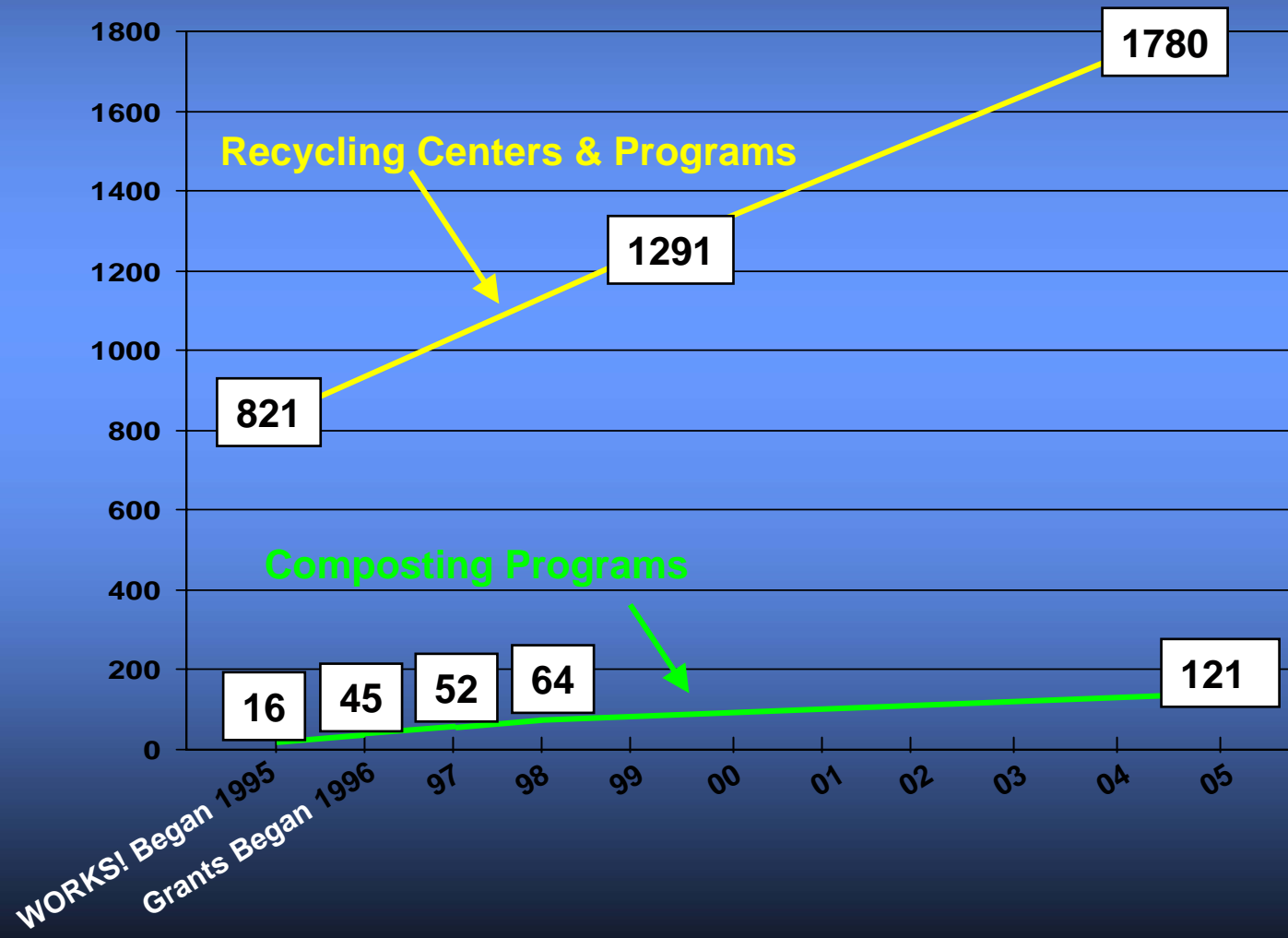
Link of WORKS! and Grants to Expansion of Recycling & Composting



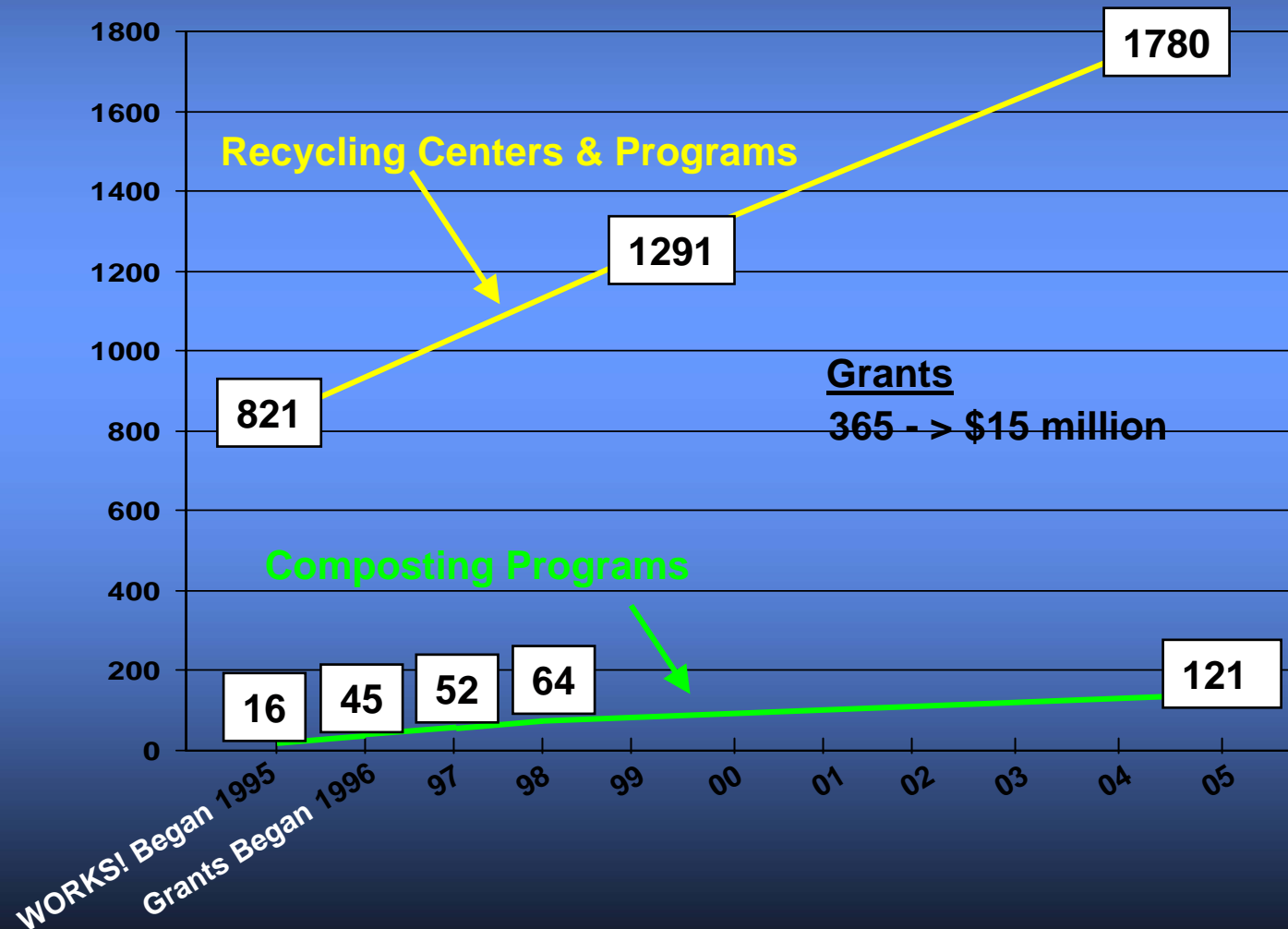
Link of WORKS! and Grants to Expansion of Recycling & Composting



Link of WORKS! and Grants to Expansion of Recycling & Composting



Link of WORKS! and Grants to Expansion of Recycling & Composting



Future of Grants

- Uncertain
- Tonnage Fee may not support annual grant program
- Decide every May about fund availability
- HHW grant program will continue (less funding)
- Waste tire program will continue

Tonnage Fee Increase?

New Waste Tire Grant Program

Proviso in 2007 Budget for New Grants for
Playground Cover Using Recycled Waste Tires



Playground Material Grants

Probable Program for Cities, Counties, Schools, etc.



- 75% Funding of cost
- 25% Match; can be in-kind expenses (i.e. installation)
- Application materials released in May 2006 after Legislative Session
- KDHE to provide installation guidelines
- Grant awards (Fall 2006)
- Funds ?? (several hundred thousand \$)

E-Waste Management in Kansas

- KDHE Policy 05-02
 - Disposal at landfills. . . OK, but ☹️
 - Recycling. . . no SW Proc. Permit unless crushing, grinding, etc.
- Nationwide developments
- Kansas developments



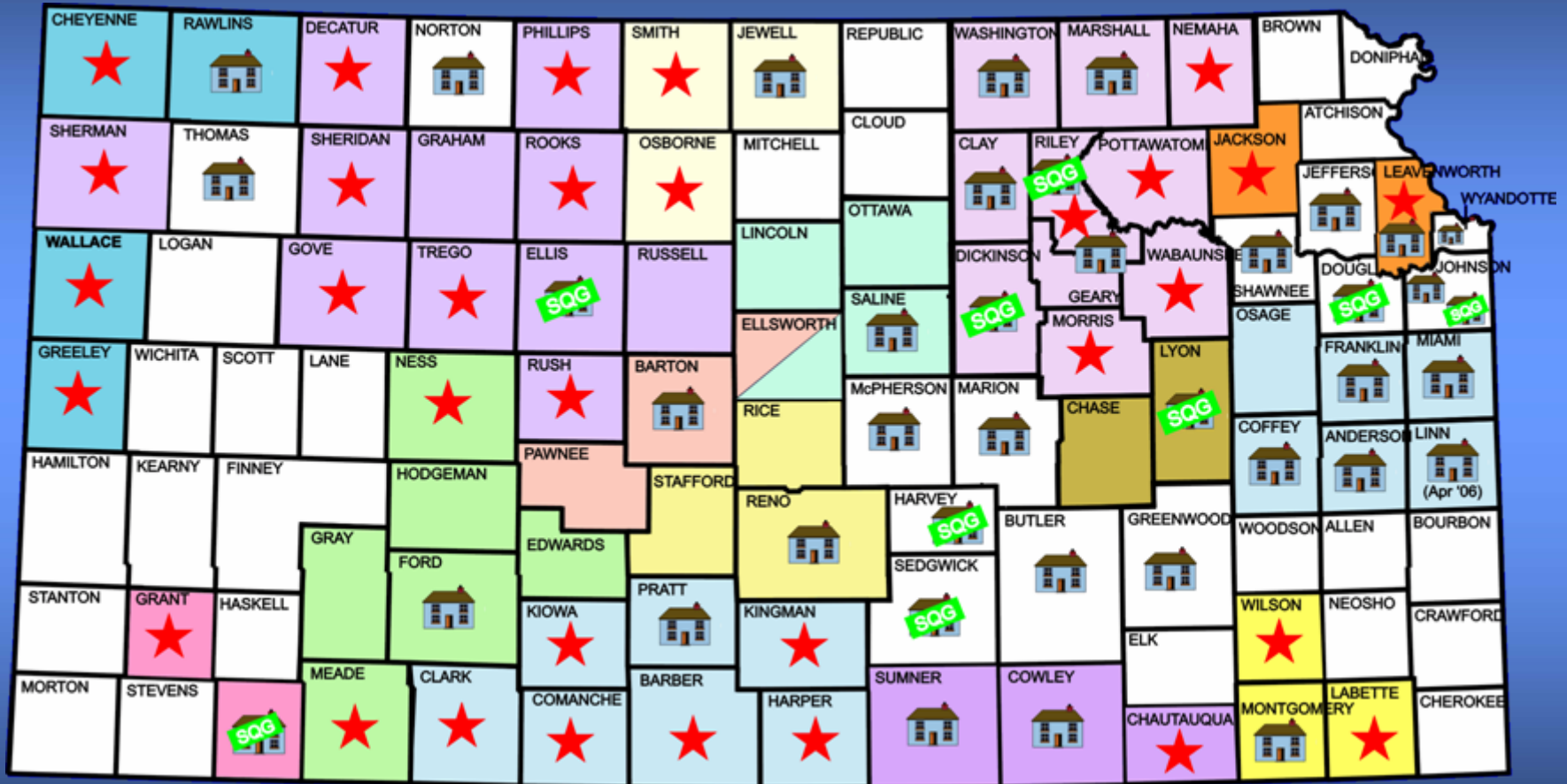
KDHE Position on Recovery

- ✓ Toxicity concerns – Minimal
- ✓ Landfill space and natural resource conservation - Major

Other Important Waste Reduction Goals (for Kansas 2005 SW Mgt Plan)

- Diversion goals should be set in county SW plans
- New regulations to be developed to encourage or enhance recycling/composting
- Strengthen statewide recycling organization (KOR)
- Develop better recycling data on KS practices
- Improve recycling by all government agencies
- Expand HHW facilities into unserved regions

HHW Facilities in Kansas



 Permanent Facilities (39)
  Permanent Facilities with SQG (9)
  Satellite Facilities (32)

Shaded Counties are part of a Region

Another State Plan Goal

Evaluate impacts of fuel price and availability on waste management practices

- Recycling
- HHW Collection
- MSW Transfer

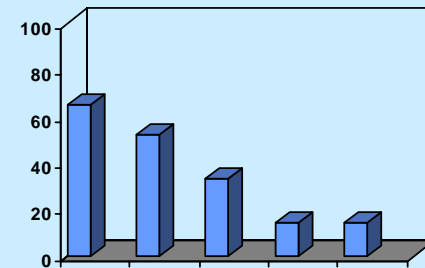
KDHE to provide guidelines to planners and facility managers in late 2006

2005 Solid Waste/Recycling Survey

- 300 people surveyed Nov-Dec 05

Kansas Recycling Practices

65%	Aluminum
52%	Newspaper
33%	Plastic
14%	Other Paper
14%	Steel Cans

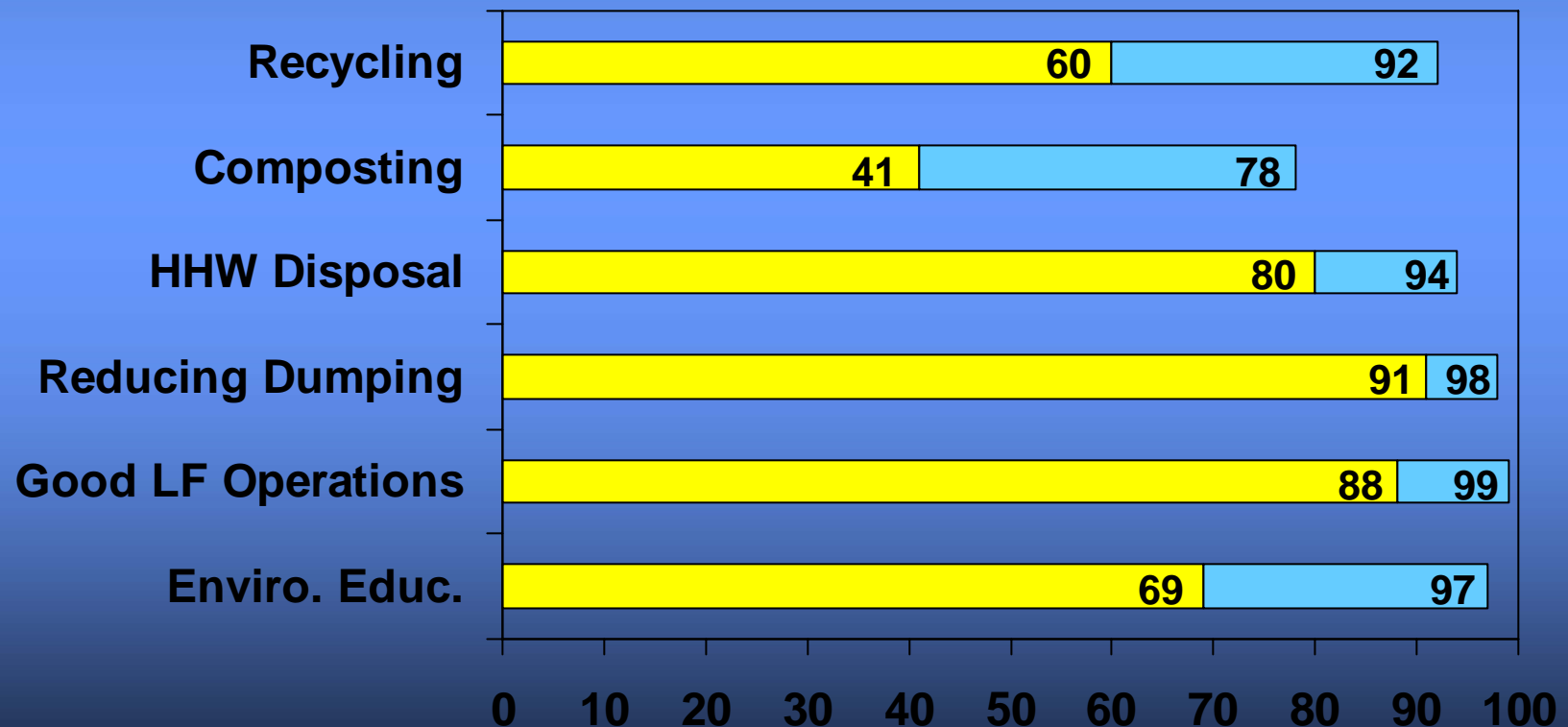


What would make you recycle more?

- Greater economic benefit
- More convenient

Survey Result (continued)

Importance of Environmental Habits
(Percent very ■ or somewhat ■ important)



Get Caught Recycling

- Statewide campaign
- Local campaign

***“Let us catch you
at this conference”***

Get Caught  **!**™

Get Caught !

**If you're not Recycling
... get the heck
out of Dodge!**
You can make a difference



Kansas Department of Health and Environment
Bureau of Waste Management



Miss Kitty, The Marshal, and
The Longbranch Saloon Gang
- Dodge City, Kansas

www.getcaughtrecycling.org

Get Caught Recycling!



Reduce - Reuse - Recycle

**Turning something old
into something new is the
very definition of recycling**
You can make a difference



Kansas Department of Health and Environment
Bureau of Waste Management



"For Kansas' sake, Recycle!"

- Television Journalist Bill Martin
in renovated downtown Sedalia, Kansas

www.getcaughtrecycling.org

Get Caught Recycling!



Reduce - Reuse - Recycle

**It's a
slam dunk!**

You can make a difference



Kansas Department of Health and Environment
Bureau of Waste Management



Wayne Simien, NBA Miami Heat
- former KU All American basketball star
with Kansas kids who care about our environment

www.getcaughtrecycling.org

Get Caught Recycling!

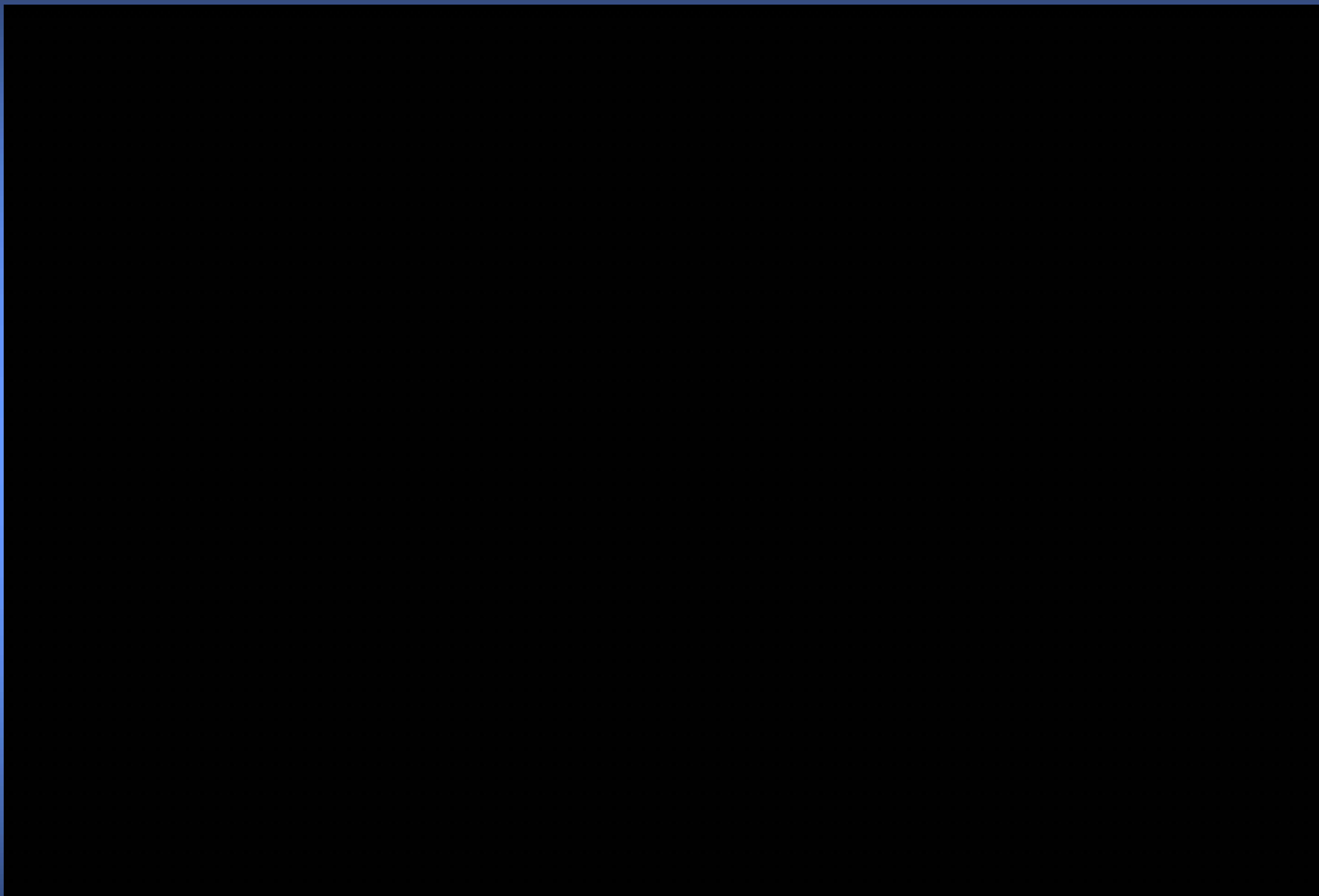


Reduce - Reuse - Recycle

[Click here to activate movie](#)



[Click here to activate movie](#)



Governor's Grants Advisory Committee Tour of Recycling & Composting Facilities

When: April 27-29, 2006

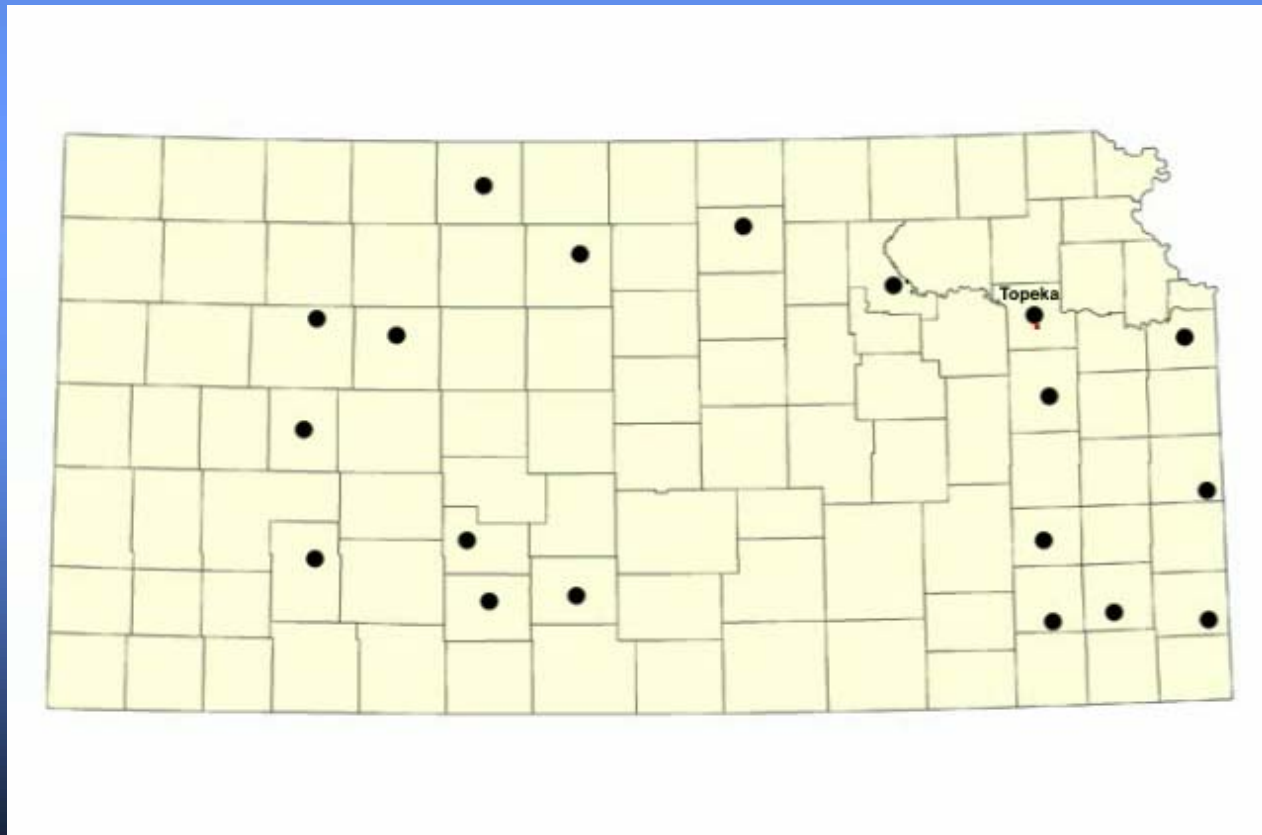
Where: All across Kansas

Purposes:

- Allow 4 new members to see facilities and results of past grants
- Stimulate enthusiasm in visited programs
- Promote local implementation of Get Caught Recycling
- Determine future needs for grants

Governor's Grants Advisory Committee Tour of Recycling & Composting Facilities



[Click here to activate tour map](#)




Get Caught Composting (next phase of initiative)

**You may think I'm full
of it, but . . .
I'm just surrounded by it!**

You can make a difference


 Kansas Department of Health and Environment
Bureau of Waste Management 



"For Kansas' sake, Compost!"

**- Ken Powell, Environmental Scientist
Kansas Department of Health & Environment**

Get Caught Composting!


Reduce - Reuse - Recycle
Printed by the Kansas Department of Health & Environment

Waste Reduction Stakeholders Meeting

When: June 21, 2006

Where: Hutchinson Community College

Goal:

Develop new waste reduction regulations

K.S.A. 65-3406(a)(16) authorizes
and directs Secretary of KDHE to:

“Adopt suitable measures, including rules and regulations, if appropriate, to encourage recovery and recycling of solid waste for reuse whenever feasible.”

[Click here to activate movie](#)



WORKS! 2007

Hutchinson



Conference venue and date to be determined